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- 1 [Efficient management of XML contents over wireless environment](#) by Eugene Y. C. Wong, Alvin T. S. Chan, Hong-Ya Leong
 March 2004 **SAC '04: Proceedings of the 2004 ACM symposium on Applications and Services in XML**
Publisher: ACM [Request Permissions](#)
 Full text available: [Pdf](#) (452.74 KB) [Additional Information: full citation, abstract, etc.](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 27, Downloads (All Time): 10

In this paper we investigated the issues pertaining to streaming general XML contents. We highlight the disadvantages of employing existing approaches to stream XML contents across a wireless network.

Keywords: XML, fragmentation, mobile computing, streaming, wireless

- 2 [Enabling Schema-Free XQuery with meaningful query focus](#)

Yunqiao Li, Cong Yu, H. V. Jagadish
 May 2008 **The VLDB Journal — The International Journal on Very Large Data Bases**
Publisher: Springer-Verlag New York, Inc.
 Full text available: [Pdf](#) (836.82 KB) [Additional Information: full citation, abstract, etc.](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 55, Downloads (All Time): 10

The widespread adoption of XML holds the promise that document structure can be queried using database queries. However, users may have only a limited knowledge of XML and thus produce a correct XQuery expression, ...

Keywords: Hierarchical, Query language, Schema, Semi-structured, XML

- 3 [TIMBER: A native XML database](#)

H. V. Jagadish, S. Al-Khalifa, A. Chapman, L. V. S. Lakshmanan, A. Niermeier, W. Wu, Y. Wu, Q. Yu
 December 2002 **The VLDB Journal — The International Journal on Very Large Data Bases**
Publisher: Springer-Verlag New York, Inc.
 Full text available: [Pdf](#) (268.39 KB) [Additional Information: full citation, abstract, etc.](#)

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 198, Downloads (All Time): 10

This paper describes the overall design and architecture of the Timber X database.

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implemented at the University of Michigan. The system is based upon a
natively stores XML. New access ...

Keywords: Algebra, Document management, Hierarchical, Query proce

4 XML stream processing using tree-edit distance embeddings



Minos Garofalakis, Amit Kumar

March 2005 **Transactions on Database Systems (TODS)**, Volume 30 Issu

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (726.56 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 126, Downl

We propose the first known solution to the problem of correlating, in sr
through approximate (structure and content) matching, as defined by a
element of our solution ...

Keywords: XML, approximate query processing, data streams, data sy
distance

5 Integrating document and data retrieval based on XML

Jan-Marco Bremer, Michael Gertz

January 2006 **The VLDB Journal — The International Journal on Very**

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (841.10 KB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 153, Downl

For querying structured and semistructured data, data retrieval and doc
complementary techniques that have not yet been fully integrated. In th
retrieval (IIR), an XML-based ...

Keywords: Data retrieval, Document retrieval, Index structures, Integr
XML

6 TopX: efficient and versatile top-k query processing for semistructured

Martin Theobald, Holger Bast, Debapriyo Majumdar, Ralf Schenkel, Gerhard

January 2008 **The VLDB Journal — The International Journal on Very**

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (1.41 MB)

Additional Information: [full citation](#), [abs](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 61, Downloa


Recent IR extensions to XML query languages such as Xpath 1.0 Full-Te
benchmark series reflect the emerging interest in IR-style ranked retrie
k ...

Keywords: Content- and structure-aware ranking, Cost-based index ac
query expansion, Efficient XML full-text search, Probabilistic candidate p

Temporal XML: modeling, indexing, and query processing

Flavio Rizzolo, Alejandro A. Vaisman

August 2008 **The VLDB Journal — The International Journal on Very**
Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (1.79 MB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 149, Download


In this paper we address the problem of modeling and implementing temporal data for tracking historical information in an XML document and for recovering it over time. We study the temporal ...

Keywords: Semistructured data, Structural summaries, Temporal data

8 Efficient filtering of XML documents with XPath expressions

C.-Y. Chan, P. Felber, M. Garofalakis, R. Rastogi

December 2002 **The VLDB Journal — The International Journal on Very**
Publisher: Springer-Verlag New York, Inc.

Full text available:  Pdf (383.34 KB)

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 43, Download

The publish/subscribe paradigm is a popular model for allowing publishers to disseminate data to a large number of widely dispersed subscribers (i.e. those with an interest in specific ...


Keywords: Data dissemination, Document filtering, Index structure, XML

9 XSKETCH synopses for XML data graphs

 Neoklis Polyzotis, Minos Garofalakis

September 2006 **Transactions on Database Systems (TODS)**, Volume 31

Publisher: ACM  Request Permissions

Full text available:  Pdf (885.57 KB)

Additional Information: full citation, abstract, app terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 85, Download

Effective support for XML query languages is becoming increasingly important as it allows access to large volumes of XML data. All existing proposals for query languages specify a query specification language ...

Keywords: XML, approximate query processing, data synopses, path expressions

10 Proceedings of the 2000 ACM/IEEE conference on Supercomputing

Jed Donnell




November 2000 **Supercomputing '00: Proceedings of the 2000 ACM/IEEE**




Publisher: IEEE Computer Society




Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Download

11 Communications of the ACM: Volume 51, Issue 7




-  July 2008 Communications of the ACM
Publisher: ACM
 Full text available:  Digital Edition ,  Pdf (6.54 MB) Additional Information: [full citation](#)
Bibliometrics: Downloads (6 Weeks): 1046, Downloads (12 Months): 2575, Dc




- 12 [Communications of the ACM: Volume 52 Issue 4](#)
 April 2009 Communications of the ACM
Publisher: ACM
 Full text available:  Digital Edition ,  Pdf (7.58 MB) Additional Information: [full citation](#)
Bibliometrics: Downloads (6 Weeks): 297, Downloads (12 Months): 751, Dowl

- 13 [Path sharing and predicate evaluation for high-performance XML filters](#)
 Yanlei Diao, Mehmet Altinel, Michael J. Franklin, Hao Zhang, Peter Fischer
 December 2003 [Transactions on Database Systems \(TODS\)](#) , Volume 28 I
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (543.40 KB) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 105, Downl

XML filtering systems aim to provide fast, on-the-fly matching of XML-e specifications containing constraints on both structure and content. It is event-based parsing and Finite ...


Keywords: Nondeterministic Finite Automaton, XML filtering, content-b path sharing, predicate evaluation, structure matching

- 14 [Communications of the ACM: Volume 51 Issue 10](#)
 October 2008 Communications of the ACM
Publisher: ACM
 Full text available:  Digital Edition ,  Pdf (7.16 MB) Additional Information: [full citation](#)
Bibliometrics: Downloads (6 Weeks): 165, Downloads (12 Months): 438, Dowl

- 15 [Survey of graph database models](#)
 Renzo Angles, Claudio Gutierrez
 February 2008 [Computing Surveys \(CSUR\)](#) , Volume 40 Issue 1
Publisher: ACM  [Request Permissions](#)
 Full text available:  Pdf (1.59 MB) Additional Information: [full citation](#), [abstract](#)
Bibliometrics: Downloads (6 Weeks): 143, Downloads (12 Months): 1562, Dov


Graph database models can be defined as those in which data structure as graphs or generalizations of them, and data manipulation is expressed by constructors. These models ...

Keywords: Database systems, database models, graph database models, constraints, graph query languages

- 16 [Integrating XML data sources using approximate joins](#)
 Sudipto Guha, H. V. Jagadish, Nick Koudas, Divyesh Srivastava, Ting Yu

March 2006 **Transactions on Database Systems (TODS)** . Volume 31 Issue

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.39 MB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 49, Downloads

XML is widely recognized as the data interchange standard of tomorrow variety of sources. Hence, XML is likely to be the format through which this article, we ...


Keywords: Data integration, XML, approximate joins, joins, tree edit d

17 [Querying business processes](#)

Catriel Beeri, Anat Eyal, Simon Kamenkovich, Tova Milo

September 2006 **VLDB '06**: Proceedings of the 32nd international conference

Publisher: VLDB Endowment

Full text available:  Pdf (598.19 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 70, Downloads


We present in this paper BP-QL, a novel query language for querying business processes based on an intuitive model of business processes, an abstraction of the BP-QL Language) standard. It allows ...

18 [XQuery implementation in a relational database system](#)

Shankar Pal, Istvan Csör, Oliver Seeliger, Michael Rys, Gideon Schaller, Wolfgang Berg, Denis Churin, Eugene Kogan

August 2005 **VLDB '05**: Proceedings of the 31st international conference on

Publisher: VLDB Endowment

Full text available:  Pdf (317.03 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 87, Downloads


Many enterprise applications prefer to store XML data as a rich data type in a database system to avoid the complexity of decomposing the data into fragments and reassembling the XML data. ...

19 [The SphereSearch engine for unified ranked retrieval of heterogeneous data](#)

Jens Graupmann, Ralf Schenkel, Gerhard Weikum

August 2005 **VLDB '05**: Proceedings of the 31st international conference on

Publisher: VLDB Endowment


Full text available:  Pdf (381.86 KB)

Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 60, Downloads


This paper presents the novel SphereSearch Engine that provides unified retrieval of Web data. Its search capabilities include vague structure conditions, text search, and search based on IR statistics ...

20 [A cluster-based approach to XML similarity joins](#)

 Leonardo A. Ribeiro, Theo Härder, Fernanda S. Pimenta

September 2009 **IDEAS '09**: Proceedings of the 2009 International Database Conference

Publisher: ACM

Full text available:  Pdf (900.97 KB)

Additional Information: full citation, abs

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 62, Downlo

A natural consequence of the widespread adoption of XML as standard f
the redundant storage of large amounts of persistent XML documents. C
represented in XML format ...

Keywords: XML, clustering, entity resolution, similarity joins, similarity

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